Specification Amendments

Please replace Paragraphs [0027] and [0090] as indicated below.

[0027] Where ΔE is the energy difference between occupied and unoccupied molecular orbitals, ħ is Planck's constant divided by 2 Pi and Ω is the angular wavefunction frequency ~~(http://www.pa.msu.edu/cmp/csc/ntproperties/opticalproperties.html)~~. The optical emission spectrum of carbon nanotubes is dominated by the transitions between Van Hove singularities ~~(Id.)~~.

[0090] In certain embodiments, custom designed software packages may be used to analyze the data obtained from the detection unit. In alternative embodiments, data analysis may be performed using an information processing and control system and publicly available software packages. Non-limiting examples of available software for DNA sequence analysis includes the PRISM™ DNA Sequencing Analysis Software (Applied Biosystems, Foster City, CA), the Sequencher™ package (Gene Codes, Ann Arbor, MI), and a variety of software packages available through the National Biotechnology Information Facility ~~at website www.nbif.org/links/1.4.1.php~~.